

NSLS USER MACHINE SHOP SAFETY RULES

K:/erothman/Shops/shop-safety-rules.doc, Rev. 1-2-2002

1. APPROVED EYE PROTECTION MUST BE WORN AT ALL TIMES WHILE IN THE SHOP, regardless of whether you are a visitor or you are working on the machinery. Eye protection includes protective goggles or safety glasses with side shields. A selection of these are available in the shop, next to the door.
2. NO BARE FEET OR OPEN-TOED SANDALS ALLOWED IN THE SHOP. Long hair must be tied back, long sleeves must be cuffed or rolled up, and loose jewelry secured when working on machinery.
3. NO FOOD OR DRINK ALLOWED IN THE MACHINE SHOP AREA.
4. When at all possible, DO NOT WORK ALONE in the shop outside normal business hours (8:30 am to 5:00 pm). Use the "buddy" or "two-man" system in order to have someone present in the shop to summon help in case of an accident. Contact the Control Room at x2550 if nobody is available.
5. SECURELY CLAMP DOWN ALL WORK PIECES IN DRILL PRESS AND MILLING MACHINES. This will prevent work from being lifted up or spun around with the cutters. Use all guards that are available and be wary of points of contact with rotating cutters and chucks.
6. USE PUSH STICKS PROVIDED (located below the start button on the band saw) or some other approved method for keeping fingers away from moving blades on bandsaws.
7. USE A VACUUM CLEANER AND THE "BLASO-CUT" water-soluble lubricant when machining non-metallic substances (e.g. macor, micarta, phenolics, etc.) This will help control air-borne dust.
8. DO NOT MACHINE, GRIND, or CUT ANY RADIOACTIVE OR OTHER SOLID TOXICS (Beryllium, asbestos) in the shop. Before machining lead, see the User Shop Manager.
9. DO NOT LEAVE KEYS ON CHUCKS OF LATHES, DRILL PRESSES, AND MILLING MACHINES. The key can be thrown out with GREAT force when machinery is turned on. This also applies to wrenches used to tighten the cutting tools into the spindles of the milling machines.
10. USE A BRUSH OR WOODEN DOWEL TO REMOVE CHIPS FROM THE MACHINING AREA. Chips can be very sharp and often very hot.
11. CLEAN UP THE WORK AREA USING BRUSH AND DUSTPAN. DO NOT use compressed air to blow chips off machinery. Vacuum the machine and sweep the floor area of any remaining chips.
12. DO NOT ATTEMPT ANY UNFAMILIAR OPERATIONS. When in doubt, seek advice and help from those more experienced in the operation.
13. FOLLOW GUIDELINES POSTED ON THE WALLS OF THE SHOP AND, IN SOME CASES, ON THE INDIVIDUAL PIECES OF EQUIPMENT.
14. In order to prevent injury to you and damage to the equipment, DO NOT ATTEMPT TO OVERLOAD THE CAPABILITIES OF THE MACHINERY.

I have read, understood, and agree to abide by the above NSLS User Machine Shop Safety Rules. I accept responsibility for following good safety practices when working in the Machine Shop and for reporting any unsafe conditions therein.

PRINT NAME: _____ SIGN NAME : _____

Institution or BNL Dept: _____ Phone: _____ LIFE # / GUEST # : _____

Date: _____ Viewed Video today? ☐ Yes Instructor Initials: _____